

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:55:36 ; Search time 16.5271 Seconds
(without alignments)
680.911 Million cell updates/sec

Title: US-09-622-613B-2
Perfect score: 578
Sequence: 1 QDWLTFQKKHLNTRDVCN.....TFVCVCEQAPVHFVGVGHC 104

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published_Applications_AA:*

- 1: /cgn2-6/ptodata/1/pubpaa/US08_NEM_PUB.pep:*
- 2: /cgn2-6/ptodata/1/pubpaa/PCF_NEM_PUB.pep:*
- 3: /cgn2-6/ptodata/1/pubpaa/US06_NEM_PUB.pep:*
- 4: /cgn2-6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
- 5: /cgn2-6/ptodata/1/pubpaa/US07_NEM_PUB.pep:*
- 6: /cgn2-6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
- 7: /cgn2-6/ptodata/1/pubpaa/PCUTS_PUBCOMB.pep:*
- 8: /cgn2-6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
- 9: /cgn2-6/ptodata/1/pubpaa/US09_NEM_PUB.pep:*
- 10: /cgn2-6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
- 11: /cgn2-6/ptodata/1/pubpaa/US10_NEM_PUB.pep:*
- 12: /cgn2-6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
- 13: /cgn2-6/ptodata/1/pubpaa/US60_NEM_PUB.pep:*
- 14: /cgn2-6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	578	100.0	105	US-09-948-391A-6	Sequence 6, Appl1
2	578	100.0	127	US-09-948-391A-28	Sequence 28, Appl1
3	573	99.1	104	US-09-948-391A-11	Sequence 11, Appl1
4	573	99.1	105	US-09-948-391A-13	Sequence 13, Appl1
5	569	98.4	104	US-09-948-391A-2	Sequence 2, Appl1
6	569	98.4	104	US-09-948-391A-4	Sequence 4, Appl1
7	560	96.9	105	US-09-948-391A-8	Sequence 8, Appl1
8	560	96.9	111	US-09-948-391A-9	Sequence 9, Appl1
9	556	96.2	105	US-10-153-882-2	Sequence 2, Appl1
10	551	95.3	104	US-09-986-119-1	Sequence 1, Appl1
11	445	77.0	83	US-09-986-119-3	Sequence 3, Appl1
12	281.5	48.7	110	US-09-948-391A-15	Sequence 15, Appl1
13	277.5	48.0	111	US-09-948-391A-21	Sequence 21, Appl1
14	277.5	48.0	117	US-09-948-391A-22	Sequence 22, Appl1
15	276.5	47.8	110	US-09-948-391A-24	Sequence 24, Appl1
16	276.5	47.8	111	US-09-948-391A-26	Sequence 26, Appl1
17	275.5	47.7	111	US-09-948-391A-17	Sequence 17, Appl1
18	271.5	47.0	110	US-09-948-391A-19	Sequence 19, Appl1
19	157.5	27.2	169	US-10-016-447-2	Sequence 2, Appl1

20	128.5	22.2	124	12	US-10-016-447-5	Sequence 5, Appl1
21	113	19.6	147	10	US-09-286-240-6	Sequence 6, Appl1
22	113	19.6	147	10	US-09-863-777-2	Sequence 2, Appl1
23	113	19.6	147	10	US-09-731-872-254	Sequence 254, App
24	112	19.4	124	9	US-09-981-286A-8	Sequence 6, Appl1
25	99.5	17.2	131	12	US-10-016-447-6	Sequence 102, App
26	89.5	15.5	156	9	US-09-796-753-102	Sequence 118, App
27	89.5	15.5	156	9	US-09-796-753-118	Sequence 60, Appl
28	89.5	15.5	156	9	US-10-245-103-60	Sequence 60, Appl
29	89.5	15.5	156	9	US-10-245-107-60	Sequence 60, Appl
30	89.5	15.5	156	9	US-10-245-143-60	Sequence 60, Appl
31	89.5	15.5	156	9	US-10-245-771-60	Sequence 60, Appl
32	89.5	15.5	156	9	US-10-245-851-60	Sequence 60, Appl
33	89.5	15.5	156	9	US-10-245-883-60	Sequence 60, Appl
34	89.5	15.5	156	9	US-10-237-533-60	Sequence 60, Appl
35	89.5	15.5	156	9	US-10-238-183-60	Sequence 60, Appl
36	89.5	15.5	156	9	US-10-238-283-60	Sequence 60, Appl
37	89.5	15.5	156	9	US-10-238-370-60	Sequence 60, Appl
38	89.5	15.5	156	9	US-10-245-055-60	Sequence 60, Appl
39	89.5	15.5	156	9	US-10-245-147-60	Sequence 60, Appl
40	89.5	15.5	156	9	US-10-245-730-60	Sequence 60, Appl
41	89.5	15.5	156	9	US-10-245-739-60	Sequence 60, Appl
42	89.5	15.5	156	9	US-10-246-210-60	Sequence 60, Appl
43	89.5	15.5	156	9	US-10-233-156-60	Sequence 60, Appl
44	89.5	15.5	156	9	US-10-243-024-60	Sequence 60, Appl
45	89.5	15.5	156	9	US-10-243-409-60	Sequence 60, Appl

ALIGNMENTS

RESULT 1

US-09-948-391A-6
Sequence 6, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by the Secretary of the
TITLE OF INVENTION: Recombinant Anti-Tumor Rnase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant)
OTHER INFORMATION: Met(-1) RapiR1)
US-09-948-391A-6

Query Match 100.0% Score 578 DB 9 Length 105:
Best Local Similarity 100.0% Pred. No. 1.3e-56;
Matches 104: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLNTRDVCNNTMSNLFHCKDKNTFIYSRPPVAKIGIAIKNVLT 60
DB 2 QDWLTFQKKHLNTRDVCNNTMSNLFHCKDKNTFIYSRPPVAKIGIAIKNVLT 61
QY 61 SEFYLSDCNVTSRPCKYKLSKSTNFCVCEQAPVHFVGVGHC 104
|||||

Db 62 SEFYISDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGHC 105

RESULT 2

US-09-948-391A-28

Sequence 28, Application US/09948391A
Publication No. US20030027311A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 127
TYPE: PRT
ORGANISM: Rana pipiens
FEATURE:
OTHER INFORMATION: Rana pipiens ribonuclease (RaplR1) Clone 5a1b cDNA
US-09-948-391A-28

Query Match 100.0%; Score 578; DB 9; Length 127;
Best Local Similarity 100.0%; Pred. No. 1.6e-56;
Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDWLFQKKHLNTRDVDCNNIMSTNLFHCKDKNTFYISRPPEVKAICGIIASKNVLTTS 60

Db 24 QDWLFQKKHLNTRDVDCNNIMSTNLFHCKDKNTFYISRPPEVKAICGIIASKNVLTTS 83

QY 61 SEFYISDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGHC 104

Db 84 SEFYISDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGHC 127

RESULT 3

US-09-948-391A-11

Sequence 11, Application US/09948391A
Publication No. US20030027311A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 11
LENGTH: 104
TYPE: PRT
ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
ribonuclease with Glutiser substitution
OTHER INFORMATION: (recombinant RapLR1 Q1S)
US-09-948-391A-11

Query Match 99.1%; Score 573; DB 9; Length 104;
Best Local Similarity 100.0%; Pred. No. 4.5e-56;
Matches 103; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DMLTFQKKHLNTRDVDCNNIMSTNLFHCKDKNTFYISRPPEVKAICGIIASKNVLTTS 61

Db 2 DMLTFQKKHLNTRDVDCNNIMSTNLFHCKDKNTFYISRPPEVKAICGIIASKNVLTTS 61

QY 62 EFYISDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGHC 104

Db 62 EFYISDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGHC 104

RESULT 4

US-09-948-391A-13

Sequence 13, Application US/09948391A
Publication No. US20030027311A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 13
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
ribonuclease with Met at position 1 and Glutiser
OTHER INFORMATION: substitution (recombinant Met(-1) RapLR1 Q1S)
US-09-948-391A-13

Query Match 99.1%; Score 573; DB 9; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.5e-56;
Matches 103; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DMLTFQKKHLNTRDVDCNNIMSTNLFHCKDKNTFYISRPPEVKAICGIIASKNVLTTS 61

Db 3 DMLTFQKKHLNTRDVDCNNIMSTNLFHCKDKNTFYISRPPEVKAICGIIASKNVLTTS 62

QY 62 EFYISDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGHC 104

Db 63 EFYISDCNVTSPCKYKLLKSTNFCVTCENQAPVHFVGHC 105

RESULT 5

US-09-948-391A-2

Sequence 2, Application US/09948391A
Publication No. US20030027311A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the

APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens
FEATURE:
OTHER INFORMATION: ribonuclease (RAPRL1)
US-09-948-391A-2

Query Match 98.4%; Score 569; DB 9; Length 104;
Best Local Similarity 99.0%; Pred. No. 1.2e-55;
Matches 103; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 QDWLTFQKHLTNRDVCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 60
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DB 1 QDWLTFQKHLTNRDVCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 60
61 SEFLSDCNVTSRCKKYLKSKSTNFTCVTCENQAPVHFVGSHC 104
|||||

RESULT 6

US-09-948-391A-4
Sequence 4, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanne M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 104
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Met23Leu substitution
OTHER INFORMATION: (recombinant RAPRL1 Met23Leu)
US-09-948-391A-4

Query Match 98.4%; Score 569; DB 9; Length 104;
Best Local Similarity 98.1%; Pred. No. 1.2e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 1 QDWLTFQKHLTNRDVCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 60
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DB 1 QDWLTFQKHLTNRDVCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 60

OY 61 SEFLSDCNVTSRCKKYLKSKSTNFTCVTCENQAPVHFVGSHC 104
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DB 61 SEFLSDCNVTSRCKKYLKSKSTNFTCVTCENQAPVHFVGSHC 104

RESULT 7

US-09-948-391A-8
Sequence 8, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanne M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 8
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Met at position 1 and Met24Leu
OTHER INFORMATION: substitution (recombinant Met(-1) RAPRL1 Met23Leu)
US-09-948-391A-8

Query Match 96.9%; Score 560; DB 9; Length 105;
Best Local Similarity 97.1%; Pred. No. 1.2e-54;
Matches 101; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 1 QDWLTFQKHLTNRDVCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 60
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DB 2 QDWLTFQKHLTNRDVCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 61
61 SEFLSDCNVTSRCKKYLKSKSTNFTCVTCENQAPVHFVGSHC 104
|||||
DB 62 SEFLSDCNVTSRCKKYLKSKSTNFTCVTCENQAPVHFVGSHC 105

RESULT 8

US-09-948-391A-9
Sequence 9, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanne M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 9
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with (His)6 tag, Met at position 7
OTHER INFORMATION: RapLRI Met23Leu- (His)6
US-09-948-391A-9

Query Match
Best Local Similarity 96.9%; Score 560; DB 9; Length 111;
Pred. No. 1.3e-54;
Matches 101; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNTDVCNNIMSTNLFHCKDKNTFIYSRPEPKAICKGIITASKNVLT 60
DB 8 QDWLTFQKKHLTNTDVCNNIMSTNLFHCKDKNTFIYSRPEPKAICKGIITASKNVLT 67
QY 61 SEFYISDCNVTSRPCKYKLRKSTNTFCVTCENQAPVHFVGVGHC 104
DB 68 FEFYISDCNVTSRPCKYKLRKSTNTFCVTCENQAPVHFVGVGHC 111

RESULT 9
US-10-153-882-2
Sequence 2, Application US/10153882
Publication No. US20030099629A1
GENERAL INFORMATION:
APPLICANT: GOLDENBERG, David M.
APPLICANT: HANSEN, Hans
APPLICANT: LEUNG, Shui-on
TITLE OF INVENTION: RECOMBINANT ONCONASE, AND CHEMICAL CONJUGATES AND
TITLE OF INVENTION: FUSION PROTEINS OF RECOMBINANT ONCONASE
FILE REFERENCE: 018733/0913
CURRENT APPLICATION NUMBER: US/10/153,882
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: US/09/265,901
PRIOR FILING DATE: 1999-03-11
PRIOR APPLICATION NUMBER: US 60/077,557
PRIOR FILING DATE: 1998-03-11
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 105
TYPE: PRT
ORGANISM: Rana pipiens
US-10-153-882-2

Query Match
Best Local Similarity 96.2%; Score 556; DB 9; Length 105;
Pred. No. 3.4e-54;
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNTDVCNNIMSTNLFHCKDKNTFIYSRPEPKAICKGIITASKNVLT 60
DB 2 QDWLTFQKKHLTNTDVCNNIMSTNLFHCKDKNTFIYSRPEPKAICKGIITASKNVLT 61
QY 61 SEFYISDCNVTSRPCKYKLRKSTNTFCVTCENQAPVHFVGVGHC 104
DB 62 SEFYISDCNVTSRPCKYKLRKSTNTFCVTCENQAPVHFVGVGHC 105

RESULT 10
US-09-986-119-1
Sequence 1, Application US/09986119
Publication No. US20020187153A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Goldenberg, David M.
TITLE OF INVENTION: Immunotoxins Directed Against Malignant
Cells
NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/986,119
FILING DATE: 07-MAY-1997
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/071,672
FILING DATE: 01-MAY-1998
APPLICATION NUMBER: US 60/046,895
FILING DATE: 02-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-32510US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: <unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: /product= "OTHER"
/note= "Xaa = Glu or pyroglutamic acid"
FEATURE:
NAME/KEY: Protein
LOCATION: 1..104
OTHER INFORMATION: /note= "RNase A derived from
Rana pipiens, "onc protein"
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-986-119-1

Query Match
Best Local Similarity 95.3%; Score 551; DB 9; Length 104;
Pred. No. 1.2e-53;
Matches 99; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 DWLTFQKKHLTNTDVCNNIMSTNLFHCKDKNTFIYSRPEPKAICKGIITASKNVLT 61
DB 2 DWLTFQKKHLTNTDVCNNIMSTNLFHCKDKNTFIYSRPEPKAICKGIITASKNVLT 61
QY 62 EEFYISDCNVTSRPCKYKLRKSTNTFCVTCENQAPVHFVGVGHC 104
DB 62 EEFYISDCNVTSRPCKYKLRKSTNTFCVTCENQAPVHFVGVGHC 104

RESULT 11
US-09-986-119-3
Sequence 3, Application US/09986119
Publication No. US20020187153A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Goldenberg, David M.
TITLE OF INVENTION: Immunotoxins Directed Against Malignant
Cells
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:

```

ADDRESS: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/986,119
FILING DATE: 07-NO. US20020187153A1-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/071,672
FILING DATE: 01-MAY-1998
APPLICATION NUMBER: US 60/046,895
FILING DATE: 02-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-32510US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 83 amino acids
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..83
OTHER INFORMATION: /note="onc protein", positions 16-98
of SEQ ID NO:1"
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-986-119-3

Query Match 77.0%; Score 445; DB 9; Length 83;
Best Local Similarity 97.6%; Pred. NO. 4.9e-42;
Matches 81; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 16 DVDNNIMSTFLFCKDKNFTFISRPPEVKAICKIGIISKNVLTSTSEFLSDCNTSRPC 75
DB 1 DVDGDNIIMSTFLFCKDKNFTFISRPPEVKAICKIGIISKNVLTSTSEFLSDCNTSRPC 60
|||||
OY 76 KYKLKSTNTEFCVTCENQAPVHF 98
DB 61 KYKLKSTNTEFCVTCENQAPVHF 83
|||||

RESULT 12
US-09-948-391A-15
Sequence 15, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor Kinase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26

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[illegible]

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RESULT 14
US-09-948-391A-22
Sequence 22, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 22
LENGTH: 117
TYPE: prt
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: cathepsin B ribonuclease with (His)6 tag, Met at
OTHER INFORMATION: position 7, Met23Leu and Met58Ileu substitutions
OTHER INFORMATION: (recombinant Met(-1) RacOrl Met22Leu Met57Leu-(His)6)
US-09-948-391A-22

Query Match      48.0%; Score 277.5; DB 9; Length 117;
Best Local Similarity 48.6%; Pred. No. 2.5e-23;
Matches 54; Conservative 16; Mismatches 32; Indels 9; Gaps 4.;

OY      1 QDWLTFQKHILTRDNDCCNNIMSTNLF---HCKDKNTFYISREPYKAICKGIASKN 56
Db      8 QNWATFPOOKHIINT-PILCNTILLNNITIVGCGCKRVTFTISSATVKAICTGYI-MLN 65
OY      57 VLTSEFLSDSC---NVNSRPCKYKKLKSTNTPCYTCENQAPVHFVGyGHC 104
Db      66 VLSTTRQLNLCYTRTSTPRCPYSKRRTNYICVKCENQYPVHPAGIGRC 116

RESULT 15
US-09-948-391A-24
Sequence 24, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 110
TYPE: prt
ORGANISM: Artificial Sequence
FEATURE:
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```

; OTHER INFORMATION: Description of Artificial Sequence:pana
; OTHER INFORMATION: catelapiana ribonuclease with Glnser substitution
; OTHER INFORMATION: (recombinant RacOR1 Q1S)
US-09-948-391A-24

Query Match          47.8%; Score 276.5; DB 9; Length 110;
Best Local Similarity 49.1%; Pred. No. 3e-23;
Matches 54; Conservative 15; Mismatches 32; Indels 9; Gaps 4

QY      2 DMLTFQKKHLLNTRDVCNNINISLNF---HCKDKNTFIYSRPEVPAKIGIISKV 57
        : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db       2 NMAITFOQKHINT--PILCNTIMDNIIYIVGCGCKRVNFIISATVYAKICTGVI 59
        : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      58 LTTSEFYISDC---NVTSRPCKYKLRKSTNFCYCSEQARVHFVGVGHC 104
        : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db       60 LSTRFQIANTCTRISITPRCPYSSRTPTNIVICVGCENQVYVHAFGIORC 109
        : : : : : : : : : : : : : : : : : : : : : : : : : : : :

Search completed: June 25, 2003, 15:42:13
Job time : 17.5271 secs

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